What Is Claimed Is:

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	Sula Sula Sula Sula Sula Sula Sula Sula	1	1. A method for facilitating access to a plurality of applications that
215	1 D	/2.	require passwords, comprising:
9		3	receiving a request for a password from an application running on a
		4	remote computer system, the request being received at a local computer system;
		5	authenticating the request as originating from a trusted source;
: 2	٠	6	using an identifier for the application to look up the password for the
		7	application in a password store containing a plurality of passwords associated with
		8	the plurality of applications; and
	Ì	9	if the password exists in the password store, sending the password or a
		10	function of the password to the application on the remote computer system.
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الم 12 الم 12 الم		1	2. The method of claim 1, wherein the request for the password
,: a	Ì	2	includes computer code that when run on the local computer system requests the
1 m	,	3	password on behalf of the application on the remote computer system.
10		1	3. The method of claim 2, wherein the computer code is in the form
	Ì	2	of a JAVA applet that runs on a JAVA virtual machine on the local computer
12		3	system.
		1	4. The method of claim 3, wherein sending the password or the
		2	function of the password to the application to the remote computer system
		3	involves:
		4	communicating the password to the JAVA applet; and
		5	allowing the JAVA applet to forward the password to the application on
		6	the remote computer system.
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1	5	The method of claim 3, wherein the JAVA applet is a signed
2		and wherein authenticating the request includes authenticating the
3		certificate chain.
1	6.	The method of claim 1, wherein authenticating the request involves
2		a creator of the request.
1	7.	The method of claim/1, wherein authenticating the request involves
2	authenticating t	he remote computer system that sent the request.
1	8.	The method of claim 1, further comprising, if the password store is
2	being accessed	for the first time,
3	prompti	ng a user for a single sign on password for the password store; and
4	using the	e single sign on password to open the password store.
1	9.	The method of claim 8, wherein if a time out period for the
2	password store	expires,
3	promptii	ng the user again for the single sign on password for the password
4	store; and	
5	using the	single sign on password to open the password store.
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1	10. / 1	he method of claim 1, wherein if the password store is being
2	accessed for the	first time, the method further comprises authenticating the user
3	,	entication mechanism, wherein the authentication mechanism can
4	include:	
5	a smart c	ard;
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1	a biometric authentication mechanism; and
2	a public key infrastructure.
1	11. The method of claim 1, wherein if the password does not exist in
2	the password store, the method further comprises:
3	adding the password to the password store; and
4	sending the password to the application on the remote computer system.
1	12. The method of claim 11, wherein adding the password to the
2	password store further comprises automatically generating the password.
1.	13. The method of claim 11, wherein adding the password to the
2	password store further comprises asking a user to provide the password.
1	14. The method of claim 1, further comprising decrypting data in the
2	password store prior to looking up the password in the password store.
1	15. The method of claim 1, wherein the password store is located on a
2	second remote computer system.
1	16. The method of claim 1, wherein the password store is located on
2	one of:
3	a local smart card;
4	a floppy disk; and
5	a memory button.
1	17. The method of claim 1, further comprising:
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I	receiving a request to change the password from the application on the
2	remote computer system;
3	automatically generating a replacement password;
4	storing the replacement password in the password store; and
5	forwarding the replacement password or the password function to the
6	application on the remote computer system.
1	18. A computer-readable storage medium storing instructions that
2	when executed by a computer cause the computer to perform a method for
3	facilitating access to a plurality of applications that require passwords, the method
4	comprising:
5	receiving a request for a password from an application running on a
6	remote computer system, the request being received at a local computer system;
7	authenticating the request as originating from a trusted source;
8	using an identifier for the application to look up the password for the
9	application in a password store containing a plurality of passwords associated with
10	the plurality of applications; and
11	if the password exists in the password store, sending the password or a
12	function of the password to the application on the remote computer system.
1	19. The computer-readable storage medium of claim 18, wherein the
2	request for the password includes computer code that when run on the local
3	computer system requests the password on behalf of the application on the remote
4	computer system.

1	20.	The computer-readable storage medium of claim 19, wherein the
2		is in the form of a AVA applet that runs on a JAVA virtual
3		local computer system.
1	21.	The computer-readable storage medium of claim 20, wherein
2	sending the pas	sword or the function of the password to the application to the
3	remote compute	er system involves:
4	commu	nicating the password to the JAVA applet; and
5	allowin	g the JAVA applet to forward the password to the application on
6	the remote com	puter system.
1	22.	The computer-readable storage medium of claim 20, wherein the
2	JAVA applet is	a signed JAVA applet, and wherein authenticating the request
3	includes authen	ticating the JAVA applet's certificate chain.
1	23.	The computer readable storage medium of claim 18, wherein
2	authenticating t	he request involves authenticating a creator of the request.
1	24.	The computer-readable storage medium of claim 18, wherein
2	authenticating t	he request involves authenticating the remote computer system
3	that sent the req	uest.
1	25.	The computer-readable storage medium of claim 18, wherein the
2		comprises, if the password store is being accessed for the first
3	time,	
4.	promptii	ng a user for a single sign on password for the password store; and
5		e single sign on password to open the password store.

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1	26. The computer-readable storage medium of claim 25, wherein if a
2	time out period for the password store expires, the method further comprises:
3	prompting the user again for the single sign on password for the password
4	store; and
5	using the single sign on password to open the password store.
1	27. The computer-readable storage medium of claim 18, wherein if the
2	password store is being accessed for the first time, the method further comprises
3	authenticating the user through an authentication mechanism, wherein the
4	authentication mechanism can include:
5	a smart card;
6	a biometric authentication mechanism; and
7	a public key infrastructure.
1	28. The computer-readable storage medium of claim 18, wherein if the
2	password does not exist in the password store, the method further comprises:
3	adding the password to the password store; and
4	sending the password to the application on the remote computer system.
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1	29. The computer-readable storage medium of claim 28, wherein
2	adding the password to the password store further comprises automatically
3	generating the password.
1	30. The computer-readable storage medium of claim 28, wherein
2	adding the password to the password store further comprises asking a user to
3	provide the password.
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1	31. The computer-readable storage medium of claim 18, wherein the
2	method further comprises decrypting data in the password store prior to looking
3	up the password in the password store.
1	32. The computer-readable storage medium of claim 18, wherein the
2	password store is located on a second remote computer system.
1	33. The method of claim 18, wherein the password store is located or
2	one of:
3	a local smart card;
4	a floppy disk; and
5	a memory button.
1	34. The computer-readable storage medium of claim 18, wherein the
2	method further comprises:
3	receiving a request to change the password from the application on the
4	remote computer system;
5	automatically generating a replacement password;
6	storing the replacement password in the password store; and
7	forwarding the replacement password or the password function to the
8	application on the remote/computer system.
1	35. An apparatus that facilitates accessing a plurality of applications
2	that require passwords, comprising:
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3	a receiving mechanism that receives a request for a password from an
4	application running on a remote computer system, the request being received at a
5	local computer system;
6	an authentication mechanism that authenticates the request as originating
7	from a trusted source;
8	a lookup mechanism that uses an identifier for the application to look up
9	the password for the application in a password store containing a plurality of
0	passwords associated with the plurality of applications; and
11	a forwarding mechanism that sends the password to the application on the
12	remote computer system if the password exists in the password store.
1	36. The apparatus of claim 35, wherein the request for the password
2	includes computer code that when run on the local computer system requests the
3	password on behalf of the application on the remote computer system.
1	37. The apparatus of claim 36, wherein the computer code is in the
2	form of a JAVA applet that runs on a JAVA virtual machine on the local
3	computer system.
1	38. The apparatus of claim 37, wherein the forwarding mechanism is
2	configured to send the password to the application on the remote computer system
3	by:
4	communicating the password to the JAVA applet; and
5	allowing the JAVA applet to forward the password to the application on
6	the remote computer system.
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1	39. The apparatus of claim 37, wherein the JAVA applet is a signed
2	JAVA applet, and wherein the authentication mechanism is configured to
3	authenticate a certificate chain.
1	40. The apparatus of claim 35, wherein the authentication mechanism
2	is configured to authenticate a creator of the request.
1	41. The apparatus of claim 35, wherein the authentication mechanism
2	is configured to authenticate the remote computer system that sent the request.
1	42. The apparatus of claim 35, wherein if the password store is being
2	accessed for the first time, the lookup mechanism is configured to:
3	prompt a user for a single sign on password for the password store; and to
4	use the single sign on password to open the password store.
1	43. The apparatus of claim 42, wherein if a time out period for the
2	password store expires, the lookup mechanism is configured to:
3	prompt the user again for the single sign on password for the password
4	store; and to
5	use the single sign on password to open the password store.
1	44. The apparatus of claim 35, wherein if the password store is being
2	accessed for the first time, the lookup mechanism is configured to authenticate the
3	user through an authentication mechanism, wherein the authentication mechanism
4	can include:
5	a smart card;
6	a biometric authentication mechanism; and
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1	a public key infrastructure.
1	45. The apparatus of claim 35, further comprising an insertion
2	mechanism, wherein if the password does not exist in the password store the
3	insertion mechanism is configured to:
4	add the password to the password store; and to
5	send the password to the application on the remote computer system.
1	46. The apparatus of claim 45, wherein the insertion mechanism is
2	additionally configured to automatically generate the password.
1	47. The apparatus of claim 45, wherein the insertion mechanism is
2	additionally configured to ask a user to provide the password.
1	48. The apparatus of claim 35, further comprising a decryption
2	mechanism that is configured to decrypt data in the password store.
1	49. The apparatus of claim 35, wherein the password store is located
2	on a second remote computer system.
1	50. The method of claim 35, wherein the password store is located on
2	one of:
3	a local smart card;
4	a floppy disk; and
5	a memory button.

1	51. The apparatus of claim 35, further comprising a password changing
2	mechanism that is configured to.
3	receive a request to change the password from the application on the
4	remote computer system;
5	automatically generate a replacement password;
6	store the replacement password in the password store; and to
7	forward the replacement password to the application on the remote
8	computer system.